

# Eye Morphology JAXLA\_EYE\_001

## Purpose

To detect abnormalities in eye morphology.

## Experimental Design

- **Minimum number of animals** : 7M + 7F
- **Age at test:** Week 76
- **Sex:** We do not expect the results of this test to show sexual dimorphism

## Procedure

1. Examine the anterior of both eyes (e.g. with slit lamp) and record any abnormalities
2. Test the iris/pupil light response
3. Image abnormal eyes as a minimum or all eyes if capacity permits
4. Dilate both eyes
5. Examine the anterior and posterior of both dilated eyes (e.g. with slit lamp and ophthalmoscope) and record any abnormalities
6. Image abnormal eyes as a minimum or all eyes if capacity permits

OCT:

1. Turn on the OCT and start the database
2. Anaesthetize mouse
3. Prepare mouse eyes with drops and place contact lens (focal length 10 mm) on the right eye
4. Enter mouse data in the "Create new patient file" area and switch to the "Acquisition" window
5. Move the OCT camera to the right position and activate measurement modus
6. Place mouse collaterally to the OCT camera on the right side of a platform that is fixed in front of the OCT lens
7. Search the contact lens in the live picture of the fundus image field and place the pupil of the mouse eye in the centre of the window
8. Move the OCT camera such that OCT lens and contact lens touch each other
9. Focus the fundus picture by slightly moving up/down or forward/backward
10. Save fundus images
11. Set the "Ref.Arm" ruler such that the section of the retina is placed in the centre of the blue rectangle
12. Set the mode of measurement on "vertical, horizontal line"
13. Move the blue horizontal line in the fundus image field to the optic nerve level
14. Save images of retinal sections
15. Move the OCT camera to the left position

16. Repeat measurement procedure for the left eye

#### Scheimpflug Imaging:

1. Turn on the Pentacam and start the patient data management
2. Apply one drop 0.5% Atropine to each mouse eye for pupil dilation
3. Enter mouse data in the "Patient" group box and switch to the Scan menu
4. Activate the "1 Picture" modus in the "Image Options" area
5. Move Pentacam to the right position
6. Hold the mouse on a platform such that the vertical LED 475 nm light slit is orientated in the center of the right eye ball
7. Guarantee optimal focus by using the fine adjustment software tool in the adjustment window
8. Start imaging manually by pressing the "Start Scan" button
9. Scheimpflug images are saved automatically
10. Move Pentacam to the left position
11. Repeat measurement procedure for the left eye

## Notes

- As a minimum, all abnormalities should be imaged.
  - Where capacity permits, all mice can be imaged
- Majority of parameters can be analysed using the standard approach for assessing categorical data. To increase power for analysis purposes, where an abnormality is detected in the left, right or both eyes, the data may be combined to generate one "abnormal" category.
- Data for both eyes is recorded under one parameter to distinguish phenotypes of incomplete penetrance in individuals and if an observation for one or both eyes cannot be made, this is recorded as 'no data'. The IMPC analysis pipeline does not take into account whether an abnormality is fully penetrant or not and the same weight is given for an abnormal observations in one or both eyes. In cases where it is not possible to confirm if an abnormality is present or not, the data is not included in the statistical analysis. The following logic is applied in determining whether to include the data in analysis:
  - If at least one of the eyes shows an abnormality in a particular parameter, the data for that specimen will be included in the statistical analysis even if the other eye is marked as "no data".
  - If the eyes are marked as "no data", or one eye is normal and the other eye is "no data" for a particular parameter the data for that specimen will not be included in the statistical analysis.

## Data QC

Image QC is typically performed during data collection to ensure high quality images are captured whilst eyes are dilated etc.

## Parameters and Metadata

## Mean left eye lens density JAXLA\_EYE\_056\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: %

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## Lacrimation JAXLA\_EYE\_086\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** present both eyes, no data right eye, no data left eye, present right eye, no data for both eyes, no data left eye, present right eye, absent, no data right eye, present left eye, present left eye,

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## Date Scheimpflug equipment last calibrated JAXLA\_EYE\_048\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Date Slit Lamp equipment last calibrated JAXLA\_EYE\_046\_001 | v1

.1

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Ophthalmoscope Equipment Model JAXLA\_EYE\_035\_001 | v1.2

procedureMetadata

Req. Analysis: true

Req. Upload: false

Is Annotated: false

**Options:** Micron III, Genesis, Genesis-D, OMEGA 180 / Superfield NC, Sigma 150K, SL4 4AA, Omega 180 / 60D, Genesis-DF, Omega 500 Unplugged, Xenon Nova 175W light source + HOPKINS optic 1218AA /Nikon D5100 + 85 mm f/1.8 lens, Omega 500 / 60D,

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## B-scan of left retina JAXLA\_EYE\_073\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Corneal vascularization JAXLA\_EYE\_009\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** absent, present left eye, no data left eye, present both eyes, no data for both eyes, present right eye, no data right eye, present left eye, no data right eye, no data left eye, present right eye,

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## Images Ophthalmoscopy JAXLA\_EYE\_050\_001 | v1.1

seriesMediaParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

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## Optical Coherence Tomography Equipment Manufacturer

JAXLA\_EYE\_038\_001 | v1.2

procedureMetadata

**Req. Analysis:** true

**Req. Upload:** false

**Is Annotated:** false

**Options:** Heidelberg Engineering, Bioptigen,

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## Right vitreous humor thickness JAXLA\_EYE\_087\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Unit Measured:** um

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## Eye JAXLA\_EYE\_001\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** absent left eye, absent both eyes, absent right eye, present,

---

## Narrow eye opening JAXLA\_EYE\_006\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** no data right eye, left eye abnormal, no data left eye, right eye abnormal, normal, both eyes abnormal, no data for both eyes, left eye abnormal, right eye abnormal, no data right eye, no data left eye,

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## Scheimpflug Equipment Manufacturer JAXLA\_EYE\_041\_001 | v1.4

procedureMetadata

**Req. Analysis:** true

**Req. Upload:** false

**Is Annotated:** false

**Options:** Oculus GmbH,

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## Max right eye lens density JAXLA\_EYE\_058\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: %

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## Bulging eye JAXLA\_EYE\_002\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data right eye, present both eyes, present left eye, present right eye, absent, no data left eye, no data for both eyes, no data right eye, present left eye, no data left eye, present right eye,

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## General Anesthetic JAXLA\_EYE\_045\_001 | v1.1

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

**Options:** Avertin, Ketamine+Xylazine, Isoflurane, No anesthesia, Euthatal, Ketamine+Medetomidine,

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## Right inner nuclear layer JAXLA\_EYE\_063\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Scheimpflug description JAXLA\_EYE\_053\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Vitreous JAXLA\_EYE\_083\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data right eye, left eye abnormal, both eyes abnormal,  
no data left eye, right eye abnormal, right eye abnormal, no data left eye,  
no data for both eyes, normal, no data right eye, left eye abnormal,

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## Ophthalmoscope Equipment ID JAXLA\_EYE\_033\_001 | v1.2

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Left anterior chamber depth JAXLA\_EYE\_067\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Right total retinal thickness JAXLA\_EYE\_062\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Optic Disc JAXLA\_EYE\_023\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

**Options:** no data left eye, right eye abnormal, left eye abnormal, no data for both eyes, no data right eye, no data left eye, no data right eye, left eye abnormal, right eye abnormal, normal, both eyes abnormal,

---

## Persistence of hyaloid vascular system JAXLA\_EYE\_027\_001 | v1.

0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** no data right eye, absent, present right eye, no data left eye, present right eye, present both eyes, present left eye, no data left eye, no data for both eyes, no data right eye, present left eye,

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## Lens JAXLA\_EYE\_016\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Options:** right eye abnormal, normal, no data for both eyes, no data left eye, right eye abnormal, no data right eye, left eye abnormal, no data right eye, both eyes abnormal, no data left eye, left eye abnormal,

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## Left total retinal thickness JAXLA\_EYE\_068\_001 | v1.2

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Unit Measured:** um

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## Right posterior chamber depth JAXLA\_EYE\_065\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Fusion between cornea and lens JAXLA\_EYE\_018\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** present left eye, no data left eye, present right eye,  
no data right eye, present left eye, absent, no data right eye, no data for both eyes,  
present right eye, present both eyes, no data left eye,

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## B-scan of right retina JAXLA\_EYE\_072\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Retinal Blood Vessels JAXLA\_EYE\_024\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

**Options:** no data for both eyes, right eye abnormal, no data right eye,  
no data right eye, left eye abnormal, no data left eye, right eye abnormal, left eye abnormal,  
normal, no data left eye, both eyes abnormal,

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## **VIP of left eye** JAXLA\_EYE\_079\_001 | v1.1

seriesMediaParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

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## **Mean right eye lens density** JAXLA\_EYE\_059\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Unit Measured:** %

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## **Slit Lamp Equipment ID** JAXLA\_EYE\_030\_001 | v1.2

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

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## Left corneal thickness JAXLA\_EYE\_066\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Iris Pigmentation JAXLA\_EYE\_015\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data for both eyes, both eyes abnormal, no data left eye, right eye abnormal, no data left eye, no data right eye, left eye abnormal, left eye abnormal, normal, no data right eye, right eye abnormal,

---

## Retinal Pigmentation JAXLA\_EYE\_021\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Options:** no data for both eyes, no data right eye, left eye abnormal, no data left eye, right eye abnormal, no data left eye, left eye abnormal, right eye abnormal, no data right eye, both eyes abnormal, normal,

---

## Date OCT equipment last calibrated JAXLA\_EYE\_049\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Iris transillumination JAXLA\_EYE\_082\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data left eye, right eye abnormal, no data for both eyes, left eye abnormal, right eye abnormal, no data left eye, both eyes abnormal, no data right eye, normal, no data right eye, left eye abnormal,

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## Images Slit Lamp JAXLA\_EYE\_051\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Eyelid closure JAXLA\_EYE\_005\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** both eyes closed, no data right eye, left eye closed, no data left eye, no data left eye, right eye closed, normal, no data for both eyes, left eye closed, right eye closed, no data right eye,

---

## **B-scan of left cornea and lens** JAXLA\_EYE\_077\_001 | v1.1

seriesMediaParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

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## **Min left eye lens density** JAXLA\_EYE\_054\_001 | v1.2

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Unit Measured:** %

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## **Ophthalmoscope Lens Model** JAXLA\_EYE\_089\_001 | v1.1

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

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## Left outer nuclear layer JAXLA\_EYE\_070\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Optical Coherence Tomography Equipment Model JAXLA\_EYE\_039\_001 | v1.2

procedureMetadata

Req. Analysis: true

Req. Upload: false

Is Annotated: false

Options: Envisu R2200, EnvisuTM R-Series SDOIS, Spectralis,

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## Right eye diameter JAXLA\_EYE\_090\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: mm

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## Min right eye lens density JAXLA\_EYE\_057\_001 | v1.1

simpleParameter



Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: %

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## Retinal Blood Vessels Pattern JAXLA\_EYE\_026\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** left eye abnormal, right eye abnormal, no data right eye,  
no data right eye, left eye abnormal, no data for both eyes,  
no data left eye, right eye abnormal, normal, both eyes abnormal, no data left eye,

---

## Corneal Sclerization JAXLA\_EYE\_080\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data for both eyes, no data left eye, present right eye,  
no data right eye, present left eye, absent, present both eyes, no data left eye,  
present right eye, present left eye, no data right eye,

---

## Corneal opacity JAXLA\_EYE\_008\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Options:** present right eye, present both eyes, no data left eye, present left eye, no data for both eyes, absent, no data left eye, present right eye, no data right eye, no data right eye, present left eye,

---

## **Max left eye lens density** JAXLA\_EYE\_055\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Unit Measured:** %

---

## **Pupil Position** JAXLA\_EYE\_011\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** no data left eye, right eye abnormal, left eye abnormal, no data right eye, left eye abnormal, both eyes abnormal, normal, right eye abnormal, no data left eye, no data right eye, no data for both eyes,

---

## **Corneal mineralization** JAXLA\_EYE\_084\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** present both eyes, no data right eye, present left eye, present right eye, no data right eye, present left eye, no data left eye, no data left eye, present right eye, absent, no data for both eyes,

---

## **Optical Coherence Tomography Equipment ID** JAXLA\_EYE\_037 \_001 | v1.1

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

## **Corneal ulcer** JAXLA\_EYE\_085\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** present left eye, absent, no data for both eyes, no data right eye, present left eye, no data left eye, no data right eye, present right eye, present both eyes, no data left eye, present right eye,

---

## **Ophthalmoscope Equipment Manufacturer** JAXLA\_EYE\_034\_001 | v1.2

procedureMetadata

**Req. Analysis:** true

**Req. Upload:** false

**Is Annotated:** false

**Options:** Phoenix Research Labs, Heine, Heine / Volk, Kowa, Karl Storz / Nikon, Phoenix, Keeler LTD, Haag-Streit,

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## **Right anterior chamber depth** JAXLA\_EYE\_061\_001 | v1.2

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Unit Measured:** um

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## **Iris/Pupil** JAXLA\_EYE\_010\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** normal, no data left eye, right eye abnormal, no data right eye, left eye abnormal, no data right eye, left eye abnormal, both eyes abnormal, right eye abnormal, no data left eye, no data for both eyes,

---

## **Eye Hemorrhage or Blood Presence** JAXLA\_EYE\_003\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** present right eye, present both eyes, no data left eye, present right eye, present left eye, absent, no data right eye, present left eye, no data left eye, no data right eye, no data for both eyes,

---

## **Cornea** JAXLA\_EYE\_007\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Options:** no data left eye, normal, no data left eye, right eye abnormal, no data for both eyes, left eye abnormal, no data right eye, both eyes abnormal, no data right eye, left eye abnormal, right eye abnormal,

---

## **Date Ophthalmoscope equipment last calibrated** JAXLA\_EYE\_047\_001 | v1.1

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

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## **Left vitreous humour thickness** JAXLA\_EYE\_088\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

Unit Measured: um

---

## VIP of right fundus JAXLA\_EYE\_074\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

---

## VIP of right eye JAXLA\_EYE\_078\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Scheimpflug Equipment Model JAXLA\_EYE\_042\_001 | v1.4

procedureMetadata

Req. Analysis: true

Req. Upload: false

Is Annotated: false

Options: Pentacam,

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## Right corneal thickness JAXLA\_EYE\_060\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Retinal Blood Vessels Structure JAXLA\_EYE\_025\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

**Options:** no data right eye, left eye abnormal, normal, no data left eye, right eye abnormal, no data right eye, both eyes abnormal, no data for both eyes, left eye abnormal, right eye abnormal, no data left eye,

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## Scheimpflug Equipment ID JAXLA\_EYE\_040\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Pupil Shape JAXLA\_EYE\_012\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** left eye abnormal, right eye abnormal, no data right eye,  
no data left eye, right eye abnormal, both eyes abnormal, no data left eye, normal,  
no data right eye, left eye abnormal, no data for both eyes,

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## Slit Lamp Equipment Model JAXLA\_EYE\_032\_001 | v1.2

procedureMetadata

**Req. Analysis:** true

**Req. Upload:** false

**Is Annotated:** false

**Options:** BQ 900 LED/IM-900, SL-15, SL30, SL 990, SL130, SL-7E,  
Micron III slit lamp extension, SL 139, 30 SL-M, S350,

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## Left posterior chamber depth JAXLA\_EYE\_071\_001 | v1.2

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Unit Measured:** um

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## Pupil Light Response JAXLA\_EYE\_014\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true



**Options:** no data right eye, no data for both eyes, both eyes abnormal, no data right eye, left eye abnormal, normal, right eye abnormal, no data left eye, left eye abnormal, no data left eye, right eye abnormal,

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## Dilation Method JAXLA\_EYE\_043\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Options:** Cyclopentolate hydrochloride, Atropine, None, Atropine sulphate, Tropicamide, Cyclopentolate hydrochloride+Phenylephrine hydrochloride, Phenylephrine hydrochloride, Tropicamide+Phenylephrin,

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## VIP of left fundus JAXLA\_EYE\_075\_001 | v1.1

seriesMediaParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

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## Retina JAXLA\_EYE\_020\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Options:** normal, no data right eye, no data right eye, left eye abnormal, no data for both eyes, no data left eye, right eye abnormal, no data left eye, both eyes abnormal, left eye abnormal, right eye abnormal,

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## Retinal Structure JAXLA\_EYE\_022\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Options:** normal, no data right eye, left eye abnormal, both eyes abnormal,  
no data right eye, left eye abnormal, no data left eye, right eye abnormal, right eye abnormal,  
no data left eye, no data for both eyes,

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## Lens Opacity JAXLA\_EYE\_017\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

**Options:** no data right eye, present left eye, present left eye, no data for both eyes,  
present both eyes, present right eye, no data right eye, absent, no data left eye,  
no data left eye, present right eye,

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## Right outer nuclear layer JAXLA\_EYE\_064\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Experimenter ID JAXLA\_EYE\_036\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

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## Slit Lamp Equipment Manufacturer JAXLA\_EYE\_031\_001 | v1.2

procedureMetadata

Req. Analysis: true

Req. Upload: false

Is Annotated: false

Options: Topcon, Zeiss, MuLe, CSO, Kowa, Haag-Streit, Phoenix Research Labs,

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## Pupil Dilation JAXLA\_EYE\_013\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Options: left eye dilated, no data right eye, no data left eye, right eye dilated, normal, right eye dilated, no data for both eyes, no data right eye, left eye dilated, no data left eye, both eyes dilated,

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## Synechia JAXLA\_EYE\_019\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** present right eye, no data for both eyes, present left eye,  
no data right eye, present left eye, no data left eye, present right eye, no data right eye,  
no data left eye, present both eyes, absent,

---

## Left inner nuclear layer JAXLA\_EYE\_069\_001 | v1.2

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Unit Measured:** um

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## Corneal deposits JAXLA\_EYE\_081\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** present left eye, no data for both eyes, absent, no data right eye,  
no data left eye, present right eye, no data right eye, present left eye, no data left eye,  
present right eye, present both eyes,

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## Sheimpflug Lens description JAXLA\_EYE\_052\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Eyelid morphology JAXLA\_EYE\_004\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** normal, no data left eye, right eye abnormal, right eye abnormal,  
no data for both eyes, left eye abnormal, no data left eye,  
no data right eye, left eye abnormal, both eyes abnormal, no data right eye,

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## Retina (combined) JAXLA\_EYE\_092\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

### Derivation:

retinaCombined('JAXLA\_EYE\_020\_001', 'JAXLA\_EYE\_021\_001', 'JAXLA\_EYE\_022\_001')

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## Topical Anesthetic JAXLA\_EYE\_044\_001 | v1.1

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

**Options:** Atropine sulphate, Mydriacyl, Hydrochloride, No anesthesia, Oxybuprocain, Phenylephrine hydrochloride, Atropine,

---

## **Left eye diameter** JAXLA\_EYE\_091\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Unit Measured:** mm

---

## **Ophthalmoscope Observation** JAXLA\_EYE\_029\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

---

## **Slit Lamp observation** JAXLA\_EYE\_028\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

---

## **B-scan of right cornea and lens** JAXLA\_EYE\_076\_001 | v1.1

seriesMediaParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

